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# Enterprise G/L for XA

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# Enterprise General Ledger

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EGL is an event-driven general ledger application that creates journal entries from XA transactions.

Multiple currency support allows consolidation of books with different currencies

Parallel Posting allows a single transaction to populate multiple charts of accounts

Configurable account segments and reference fields enable detailed analysis

# Creates Journal Entries from XA

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- Unlimited Accounts
- Unlimited Sub Ledgers
- Multiple Calendars
- Multiple Currencies
- Drill down from GL to Source XA Transaction
- Receive external transactions
- Statistics

# The System Tables



Natural Account Segments



Non-Natural Account Segments



Charts of Accounts



Financial Calendars



Ledgers



Ledger Accounts



Financial Macros



Financial Macro Aliases



Financial Models



Financial Event Classes



Subsystems



Financial Reason Codes



Financial Allocations



Financial Consolidations



Financial Structures



Chart of Accounts History



Financial Groups



Ledger Account Rules



Account Access Rules



Book Access Rules

# The System Information Objects



Financial Events



Financial Journal  
Entries



Financial Journal  
Entry Lines



Financial Journal  
Entry Detail Lines



External GL  
Transactions



General Ledger  
Messages



Ledger Book  
Balance Summary



Deferred GL  
Transaction



Financial  
Processes



Financial  
Processes List

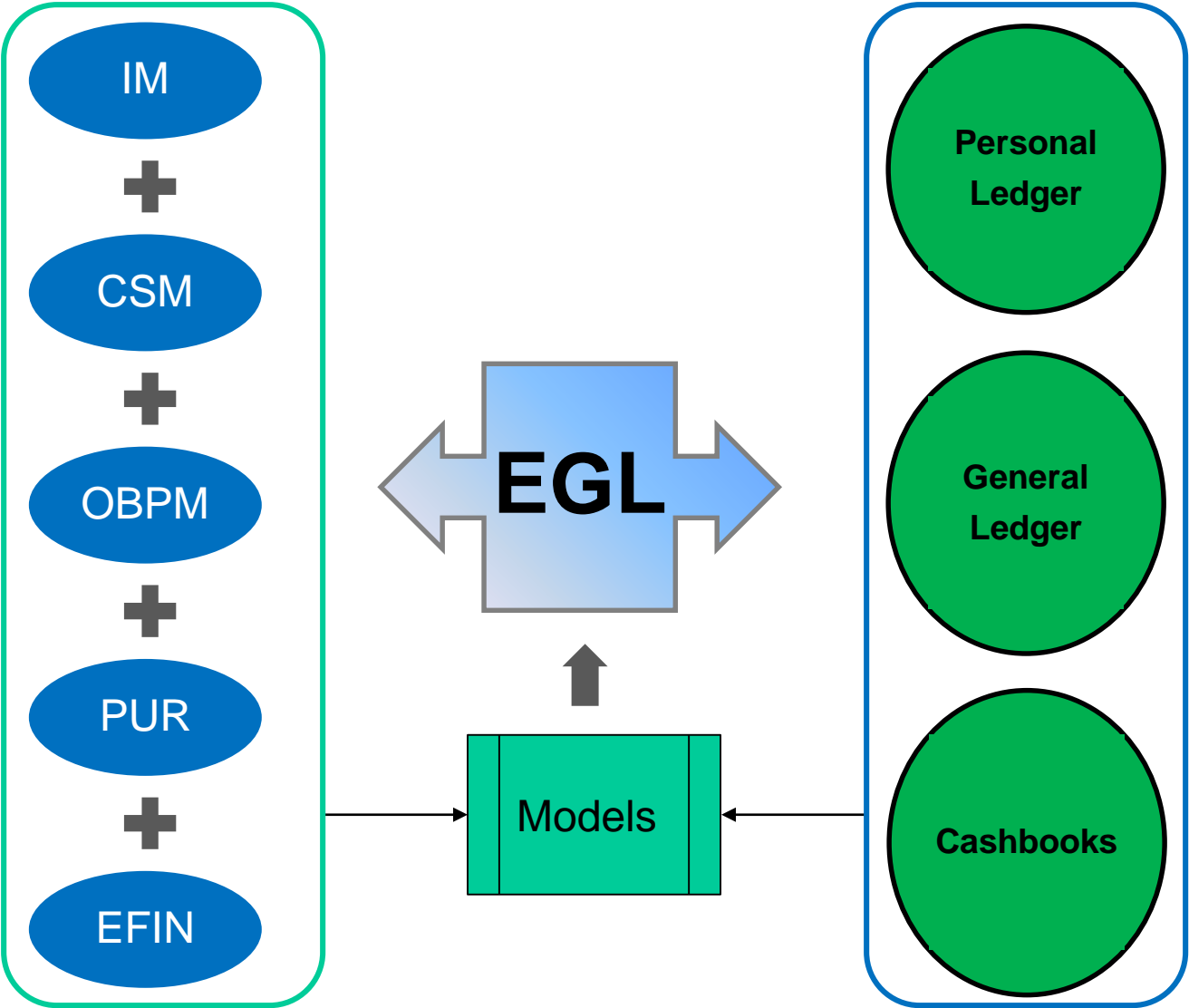


Inventory GL  
Transactions

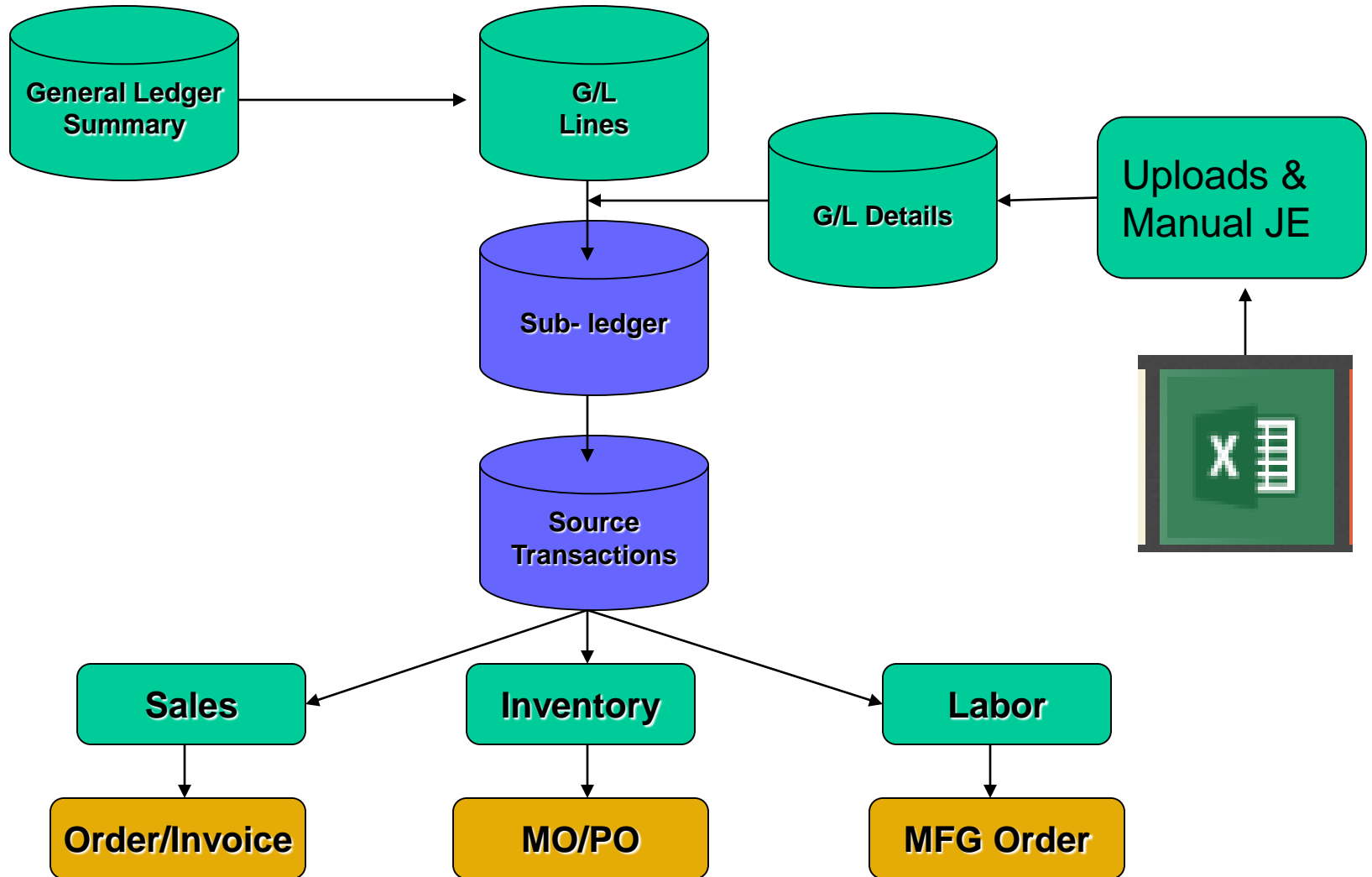


Production GL  
Transactions

# EGL Processes XA transactions



# EGL Drill down to Source transaction



# EGL Drill down to Source

The screenshot illustrates the process of drilling down from a high-level financial event to its source transaction in Infor software. Three green arrows indicate the flow of the drill-down process:

- Arrow 1:** Points from the 'Financial Events' window to the 'Financial Event - API, 12' window.
- Arrow 2:** Points from the 'Financial Event - API, 12' window to the 'Financial Journal Entry Detail Lines' window.
- Arrow 3:** Points from the 'Financial Journal Entry Detail Lines' window to the 'Financial Transaction - BC, 01, AP, API, API250665' window.

**Financial Events Window:** Shows a list of events. The selected event is:

Event #	Event class	Description	Subsystem origin	Journal	Status
16	API	API	XA Finance	04/12/2020	Posted

**Financial Event - API, 12 Window:** Shows details for the selected event:

- Event class: API
- Subsystem origin: XA Finance
- Status: Posted

**Financial Journal Entry Detail Lines Window:** Shows the ledger and book details for the event:

Ledger	Book	Year	Period	Journal	Total transaction debit	Total transaction credit	Total book debit
CISTECH	ACTUAL	2020	4	AP0000001	21,000.00	21,000.00	21,000.00

**Financial Transaction - BC, 01, AP, API, API250665 Window:** Shows the source transaction details:

- Fin div: 01
- Ledger: AP
- Type: API
- Transaction: API250665

The transaction details table shows:

Purchase order	Charge	Item	Quantity	UM	Value
PCT1001		CT1000	200.0000	EACH	

The right-hand pane of the transaction window shows a 'General' tab with various options like Overview, Charges, Taxes, and Allocations To.



# Parallel Posting

- Keep separate charts of accounts for IFRS and GAAP accounting
- Maintain financial activity in a region that is autonomous from other regions and corporate headquarters
- Maintain books in multiple currencies
- Use flexible financial calendars
- Maintain separate books for corporate and business units
- Record taxes by country, state, region.
- Track sales by posting to Sales Books

# Advanced Transaction Posting

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- EGL uses the Advanced Transaction Processing (ATP) posting engine to enable configurable transaction processing.
- Data Can be pulled from multiple tables to build journal entry

# A Word About Closing

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Easy

# Closing

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- Does Not Archive Details
- Does Not Update Summaries
- Does Not Require Dedicated Mode
- Does Not Allow User Period Overrides

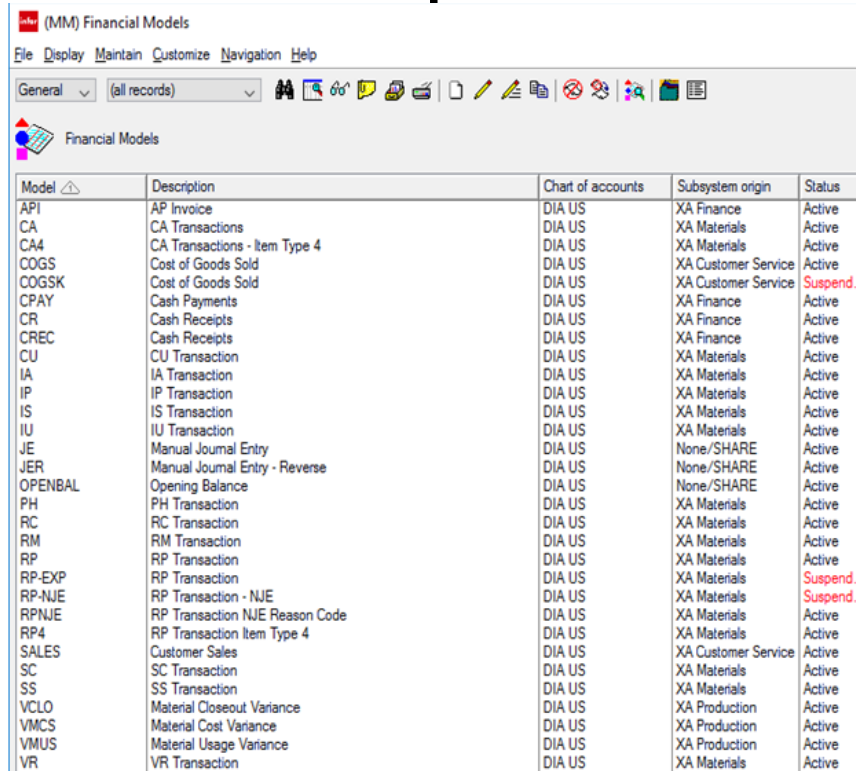
# Closing

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- Does Keep Summaries From All Prior Years And Periods
- Does Stop Accidental Posting
- Does Create Opening Balances
- Does Allow Reversing Opening Balances

# Financial Models

- Financial Models determine how transactions are posted from XA to EGL



(MM) Financial Models

File Display Maintain Customize Navigation Help

General (all records)

Financial Models

Model	Description	Chart of accounts	Subsystem origin	Status
API	AP Invoice	DIA US	XA Finance	Active
CA	CA Transactions	DIA US	XA Materials	Active
CA4	CA Transactions - Item Type 4	DIA US	XA Materials	Active
COGS	Cost of Goods Sold	DIA US	XA Customer Service	Active
COGSK	Cost of Goods Sold	DIA US	XA Customer Service	Suspend...
CPAY	Cash Payments	DIA US	XA Finance	Active
CR	Cash Receipts	DIA US	XA Finance	Active
CREC	Cash Receipts	DIA US	XA Finance	Active
CU	CU Transaction	DIA US	XA Materials	Active
IA	IA Transaction	DIA US	XA Materials	Active
IP	IP Transaction	DIA US	XA Materials	Active
IS	IS Transaction	DIA US	XA Materials	Active
IU	IU Transaction	DIA US	XA Materials	Active
JE	Manual Journal Entry	DIA US	None/SHARE	Active
JER	Manual Journal Entry - Reverse	DIA US	None/SHARE	Active
OPENBAL	Opening Balance	DIA US	None/SHARE	Active
PH	PH Transaction	DIA US	XA Materials	Active
RC	RC Transaction	DIA US	XA Materials	Active
RM	RM Transaction	DIA US	XA Materials	Active
RP	RP Transaction	DIA US	XA Materials	Active
RP-EXP	RP Transaction	DIA US	XA Materials	Suspend...
RP-NJE	RP Transaction - NJE	DIA US	XA Materials	Suspend...
RPNJE	RP Transaction NJE Reason Code	DIA US	XA Materials	Active
RP4	RP Transaction Item Type 4	DIA US	XA Materials	Active
SALES	Customer Sales	DIA US	XA Customer Service	Active
SC	SC Transaction	DIA US	XA Materials	Active
SS	SS Transaction	DIA US	XA Materials	Active
VCLO	Material Closeout Variance	DIA US	XA Production	Active
VMCS	Material Cost Variance	DIA US	XA Production	Active
VMUS	Material Usage Variance	DIA US	XA Production	Active
VR	VR Transaction	DIA US	XA Materials	Active

# Financial Models

- Attributes from transaction used to determine ledger posting segments

The screenshot shows the 'Financial Model - SS' application window. The 'General' tab is active, displaying the following fields:

- Description: SS Transaction
- Status: Active
- Chart of accounts: DIA US
- Generate number: Yes
- Journal Entry:
  - Journal source: IM
  - Journal entry number: 0
- Reversing Entry:
  - Journal source: (blank)
  - Journal entry number: 0
  - Period increment: 0
  - Reversal day: 0
- Subsystem origin: XA Materials
- Reason code: (blank)

A 'Comments' field is also present on the right side of the form.

Below the form is a table with the following data:

Model line	Line description	Account string	Debit amount	Debit macro	Credit amount	Credit macro	Status
10	Inventory (charge)	=XTGHWHD.00.001.000.=DLTYPEIC	0.00	XTGHCHGMDR	0.00	XTGHCHGMCR	Active
20	Offset Account	=DLWHLOC.=DLBUSGROUP.000.=DLSSIC.=XTGHITAC	0.00	XTGHOFFMDR	0.00	XTGHOFFMCR	Active

# Flexible Account Segments

- Configure up to 14 account segments to further define data used for reporting

**Financial Model Line Account Maintenance**

Model	CDS	Cost of Sales
Line	10	Inventory

Segment	Description	Value	
CO	Company	<input type="text" value="EXPGMCOND"/>	f(x)
DEPT	Department	<input type="text" value="000"/>	f(x)
ACCT	Account Number	<input type="text" value="1320"/>	f(x)
PL	Product Line	<input type="text"/>	f(x)
(blank)	(blank)	<input type="text"/>	f(x)
(blank)	(blank)	<input type="text"/>	f(x)
(blank)	(blank)	<input type="text"/>	f(x)
(blank)	(blank)	<input type="text"/>	f(x)
(blank)	(blank)	<input type="text"/>	f(x)
(blank)	(blank)	<input type="text"/>	f(x)
(blank)	(blank)	<input type="text"/>	f(x)
(blank)	(blank)	<input type="text"/>	f(x)
(blank)	(blank)	<input type="text"/>	f(x)
(blank)	(blank)	<input type="text"/>	f(x)

Flexibility of account segments enable quick response to organizational change.

- Imbed segment values:
- Customer
- Vendor
- Item
- Export Designator



# Models

**Financial Model Line Account Maintenance**

Model	CDS	Cost of Sales
Line	10	Inventory

Segment	Description	Value	
CO	Company	EXPGMCOND	f(x)
DEPT	Department	000	f(x)
ACCT	Account Number	1320	f(x)
PL	Product Line		f(x)
(blank)	(blank)		f(x)
(blank)	(blank)		f(x)
(blank)	(blank)		f(x)
(blank)	(blank)		f(x)
(blank)	(blank)		f(x)
(blank)	(blank)		f(x)
(blank)	(blank)		f(x)
(blank)	(blank)		f(x)
(blank)	(blank)		f(x)
(blank)	(blank)		f(x)
(blank)	(blank)		f(x)
(blank)	(blank)		f(x)

Customer Order

Warehouse / Sales office

Hard Coded

Item Warehouse / Revision

# Reference Fields

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- Order
- Invoice
- Customer PO number
- Vendor Invoice
- Period Journal Entries

# Reference Fields

## Reference

Field 1   f(x)

Field 2   f(x)

Document   f(x)

## Document date

Fixed date  

Date macro   f(x)


# Analysis Fields

- Include additional data related to transaction
    - Vendor / Customer #
    - Job Number
    - Project Number
    - Item
    - Family / Group
    - Class / Territory
    - Activity Date
    - Etc
- Customer / Vendor Master  
Item Master  
Shipment  
AR/AP Invoice  
Item Warehouse  
Inventory Transaction  
Sales / Purchase order  
User fields  
User extensions

Analysis		
Field 1	<input type="text"/>	f(x)
Field 2	=XTGHWID	f(x)
Field 3	=XTGHITYP	f(x)
Field 4	=XTGHRECD	f(x)
Field 5	=XTAVRENO	f(x)
Field 6	<input type="text"/>	f(x)
Number 1	<input type="text" value="0.00"/>	
Number 2	<input type="text" value="0.00"/>	
Analysis date 1		
Fixed date	<input type="text" value="/ /"/>	
Date macro	XTAVTRDA	f(x)
Analysis date 2		
Fixed date	<input type="text" value="/ /"/>	
Date macro	<input type="text"/>	f(x)

# Macros

- Scan for specific attributes on transaction to determine the value to post to each segment

 Macro: XTGHCHGMDR Inventory GL Transaction - Charge amount - debit

General	
Description	Inventory GL Transaction - Charge amount - debit
Subsystem origin	XA Materials
Object	Inventory GL Transaction
Attribute	chargeAmount
Description	Charge amount
Use macro as	
Segment value	No
Amount	Yes
Date	No
Reference	Yes
Qualifier	None
Special processing	Value greater than zero
Spaces or length	13
Substring start position	0
Operations	
Arithmetic 1	Blank
Value	0.00
Macro	(blank) f(x)
Arithmetic 2	Blank
Macro 2	(blank) f(x)
Subsystem origin	XA Materials

# G/L Balance Summary

infor (A1) Ledger Book Balance Summary

File Display Maintain Customize Navigation Help

Demo +(temporary) - Accou...

Ledger Book Balance Summary


Book	Year	Period	Co...	Natur...	Cost...	Product Line	Description	Opening balance	Period debit	Period credit	YTD Balance
ACTUAL	2019	1	01	70000	M10	BFZZ	Sales	0.00	147,732.50	295,465.00	-147,732.50
ACTUAL	2019	1	01	70000	M10	BFZZ	Sales	0.00	3,238,688.86	6,477,377.72	-3,238,688.86
ACTUAL	2019	1	01	70000	M10	BFZZ	Sales	0.00	36,661.93	73,323.86	-36,661.93
ACTUAL	2019	1	01	70000	M11	BFZZ	Sales	0.00	155,795.65	311,591.30	-155,795.65
ACTUAL	2019	1	01	70000	M11	BFZZ	Sales	0.00	28,644.16	0.00	28,644.16
ACTUAL	2019	1	01	70000	M11	BFZZ	Sales	0.00	28,644.16	28,644.16	0.00
ACTUAL	2019	1	01	70000	M23	BFZZ	Sales	0.00	1,819.00	1,819.00	0.00
ACTUAL	2019	1	01	70000	M23	BFZZ	Sales	0.00	25,048.00	25,048.00	0.00
ACTUAL	2019	1	01	70000	M40	BFZZ	Sales	0.00	488,400.00	475,600.00	12,800.00
ACTUAL	2019	2	01	70000	M10	BFZZ	Sales	-147,732.50	0.00	0.00	-147,732.50
ACTUAL	2019	2	01	70000	M10	BFZZ	Sales	-3,238,688.86	2,919,333.60	5,838,667.20	-6,158,022.46
ACTUAL	2019	2	01	70000	M10	BFZZ	Sales	-36,661.93	6,342.00	12,684.00	-43,003.93
ACTUAL	2019	2	01	70000	M11	BFZZ	Sales	-155,795.65	195,277.69	390,555.38	-351,073.34
ACTUAL	2019	2	01	70000	M11	BFZZ	Sales	28,644.16	70,928.00	141,856.00	-42,283.84
ACTUAL	2019	2	01	70000	M11	BFZZ	Sales	0.00	0.00	0.00	0.00
ACTUAL	2019	2	01	70000	M12	BFZZ	Sales	0.00	244,236.00	488,472.00	-244,236.00
ACTUAL	2019	2	01	70000	M12	BFZZ	Sales	0.00	38,515.96	77,031.92	-38,515.96
ACTUAL	2019	2	01	70000	M23	BFZZ	Sales	0.00	7,276.00	7,276.00	0.00
ACTUAL	2019	2	01	70000	M23	BFZZ	Sales	0.00	3,210.00	3,210.00	0.00
ACTUAL	2019	2	01	70000	M40	BFZZ	Sales	12,800.00	312,800.00	325,600.00	0.00
ACTUAL	2019	3	01	70000	M10	BFZZ	Sales	-147,732.50	30,549.00	30,549.00	-147,732.50
ACTUAL	2019	3	01	70000	M10	BFZZ	Sales	-6,158,022.46	3,712,286.47	7,192,239.10	-9,637,975.09

# Drill down G/L Lines

infor (A1) Financial Journal Entry Lines - Ledger: SSUS Book: ACTUAL Year: 2019 Period: 1 Account Number: 5,835

File Display Maintain Customize User Navigation Help

GL Account Period [v] "Ledger Period" [v] 

 Ledger: SSUS Book: ACTUAL Year: 2019 Period: 1 Account Number: 5,835

Journal	Line	Transaction debit	Transaction credit	Transaction currency	Book debit	Book credit	Book currency	Status
JE0000087	1,002	6,155.12		USD	6,155.12		USD	Posted
JE0000087	1,003	6,155.12		USD	6,155.12		USD	Posted
JE0000087	1,004	6,537.04		USD	6,537.04		USD	Posted
JE0000087	1,305	23,944.80		USD	23,944.80		USD	Posted
JE0000087	1,306	23,944.80		USD	23,944.80		USD	Posted
JE0000087	1,307	100,152.60		USD	100,152.60		USD	Posted
JE0000087	1,308	100,152.24		USD	100,152.24		USD	Posted
JE0000087	1,309	10,647.38		USD	10,647.38		USD	Posted
JE0000087	1,310	10,647.38		USD	10,647.38		USD	Posted
JE0000087	1,721	45,895.04		USD	45,895.04		USD	Posted
JE0000087	1,722	77,505.68		USD	77,505.68		USD	Posted
JE0000087	1,723	6,155.12		USD	6,155.12		USD	Posted
JE0000087	1,996	27,800.00		USD	27,800.00		USD	Posted
JE0000087	1,997	16,346.00		USD	16,346.00		USD	Posted
JE0000087	2,292	6,537.04		USD	6,537.04		USD	Posted
JE0000087	2,866	45,895.04		USD	45,895.04		USD	Posted
JE0000087	2,867	77,505.68		USD	77,505.68		USD	Posted
JE0000087	2,868	6,537.04		USD	6,537.04		USD	Posted
		3,238,688.86	6,477,377.72		3,238,688.86	6,477,377.72		



# G/L Line Details

infor (A1) Financial Journal Entry Lines - Ledger: SSUS Book: ACTUAL Year: 2019 Period: 1 Account Number: 5,835

File Display Maintain Customize User Navigation Help

Analysis Ledger Period

Ledger: SSUS Book: ACTUAL Year: 2019 Period: 1 Account Number: 5,835

Journal	Line	Cust...	Document reference	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	CO Refer
JE0000087	1,002		449062	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,003		449063	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,004		449064	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,305		449390	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,306		449390	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,307		449390	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,308		449390	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,309		449391	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,310		449391	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,721		449788	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,722		449788	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,723		449789	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	1,996		450115	18-000692	00036100	CA	Z9996	AAG	EZZ	
JE0000087	1,997		450116	18-000692	00036100	CA	Z9996	AAG	EZZ	
JE0000087	2,292		450454	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	2,866		450992	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	2,867		450992	610012178	00120500	BR	H0118	AAF	EAB	
JE0000087	2,868		450992	610012178	00120500	BR	H0118	AAF	EAB	

# Upload Journal Entries from Excel

The screenshot displays the Microsoft Excel interface with the 'ADD-INS' tab selected. A custom toolbar titled 'EGLi Upload' is visible, containing buttons for 'Upload', 'Quick Validate', 'Connect', 'Create Worksheet', and 'Clear Worksheet'. The 'Connect' dialog box is open, showing the following fields:

- User: Boyerj
- Password: [Masked]
- Host: 10.0.10.215
- Port: 36001
- Environment: X6
- Language: English
- Available Environments: 10.0.10.215 - (X6) XAR9.2 PRODUCTION EN

The dialog box also includes 'OK' and 'Cancel' buttons at the bottom.

# Upload Journal Entries from Excel

JE sample Dev1.xlsx - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ADD-INS

Jim Boyer

Transfer Data from IBM i  
Transfer Data to IBM i

Menu Commands Custom Toolbars

infor Disconnect  
Upload Create Worksheet  
Quick Validate Clear Worksheet

EGLi Upload

segment01 : Segment 01

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2	Event class					Event number						Total transaction debit		
3	Journal date	M/d/yyyy				Journal						Total book debit		
4	Transaction currency											Upload Unbalanced Journals(Y/N)?		
5														
6														
7	Line	Segment 01	Segment 02	Segment (Segment 04	Segment (Segment (Segment (Segment (Segment (Segment (Segment : Segment : Segment : Segme									
8														
9														
10														
11														
12														
13														
14														


Sheet1

READY


100%

# IFM G/L to EGL

  
XA Financial  
Division Periods

  
XA Fiscal Years

  
XA Ledgers

  
XA GL Account  
Period Balances

  
Enterprise GL  
Migration

  
Application  
Settings

## Enhance

## Convert to new structure

# AM G/L to EGL

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- Keep accounts and segment
- Enhance
- Convert to new structure

# Rules to Models

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- Revolutionize
  - Build in Account Segments
  - Run on Data Models Only
- Evolve
  - Use AM Accounts, Rules, and Aliases
  - Convert in Stages

# Report Writing

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- Options
- Compatibility

# Summary

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- Rich Functionality
- Enhanced Visibility
- Analytics
- Easy to Use
- Simplified Closing



# Enterprise General Ledger

Questions?

